LUXMAN / AUDIO COMPONENTS

LUX CORPORATION

LUXMAN CORPOR

Music as an expression of human emotion

Music has been an integral part of human activity since time immemorial. Music has always been considered as a means of expressing profound feelings and emotions–not merely a natural phenomenon.

Music led to the invention of instruments, which were created and refined to achieve still higher levels of expression. This evolutionary process has resulted in productive interaction among instruments, composers and musicians.

Take Stradivarius violins, for instance. Stradivarius was the Italian craftsman said to have perfected the art of violin making by experimenting with new shapes, materials and finishes. In his life he made 1,116 violins, of which an estimated 540 have survived until today. His creations have been the source of inspiration for many musicians and composers.

In the 200 years since Stradivarius's death, nobody has succeeded in making a violin with comparable sound, despite the tremendous technological progress achieved during that interval.

Audio engineering has experienced a similar technological revolution in the past years, allowing music lovers to enjoy music practically anywhere and anytime. Indeed, for most of us music is now an indispensable everyday amenity. But explosive development in digital engineering has led to the dominance in the market of mini systems and other products made with emphasis on functionality and convenience. These systems may exhibit superior technological performance, but they are no match for a Stradivarius violin when it comes to evocative and emotional power.

The Lux approach to audio engineering

Audio components are industrial products that make use of state-of-the-art electronics. Performance specifications must meet a certain standard, though the equipment boasting the best specifications is not necessarily that offering the highest sound quality.

Which is to say that audio equipment should express music with eloquence and subtlety. The deep emotion and serenity invoked as music is played back should be of the same kind that paintings and sculptures create in their viewers.

It is in the pursuit of such eloquent and subtle musical expression that we at Lux build audio components incorporating custom parts and materials where necessary.

Of course there is no way to quantify the emotions and sense of involvement that music evokes in the listener as it is played by an audio component. So at Lux we call upon a group of experienced engineers who share a love for music. As experts in electronics, material physics, and of course music itself, they design and build every one of our products with dedication and passion.

Audio as a hobby

We at Lux believe that audio–that is, enjoying recorded music on a playback system–is a hobby for enthusiasts. The audio components we manufacture are not conceived merely to give materialistic satisfaction. Rather, they are products of cultural expression intended to appeal to the sensitivity of the enthusiast–to provide intellectual and spiritual fulfillment.

So when building a product, we place great importance on external appearance–design and color scheme, for example–as well as the pleasure of use and the satisfaction of ownership. We try to make these "sensual" elements work together and make a Lux product an audio hobbyist's choice.

Become a sound gourmet

Fully understanding our philosophy of audio as a hobby requires a cultivation of the senses–by experiencing and appreciating sound quality at its highest. Naturally this learning process requires time, effort and money.

It's like being a gourmet. People who don't care about food don't make much of an effort to sample delicacies. They eat for the sole purpose of nourishing themselves. But gourmets want to eat outstanding cuisine in a comfortable ambiance while enjoying attentive service. They strive to derive as much satisfaction as possible from the act of eating.

Become a sound gourmet. Experience the complete sensual satisfaction that only a Lux product can give.

ATE PHILOSOPHY

Lux's esthetic concept–the interplay of "light and shadow"

Since we at Lux see audio is a hobby, we believe each audio component should have its own unique personality. When designing a product, our engineers consider its shape, contours, color, feel, and other sensual properties.

The principal design motif of our products–the reason they feature a sculpture-like profile–is what we call the interplay of "light and shadow."

The concept can be thought of in terms of a mobile. A mobile gives the viewer different impressions in the light of spring and autumn even if the light is of the same absolute intensity. It looks different when you see it against an intensive light source. And if the light comes from the left, shadows appear to the right of an object, giving a different impression from when the object casts shadows to the left.

Similarly, each Lux audio component has a personality of its own which changes mood to mirror the emotions felt by the listener.

That's why our product designs are enduring and endearing.

Lux's performance concept–natural sound

A piece of audio equipment should offer excellent performance specifications. Yet the product that performs the best on paper is not necessarily the best sounding one –because there is no way to relate specs to the degree of emotions a product evokes in the heart of the listener.

While we at Lux place a great importance on numerical analysis of our products, still greater significance is given to actual auditions. In essence, our performance concept is to ensure that a component produces the most natural sound possible when it plays back music.

Our senses are quick to detect unnaturalness in what we hear. Artificial sound tires us, but rich, natural sound relaxes and frees us from stress and tension, letting us enjoy music at the deepest level.

The process of ensuring natural sound begins when we determine the design of a product's circuits and the layout of its parts.

The next step is to examine carefully each and every circuit and part–of which there are a multitude!

Then we devise ways to overcome mutual interference, partial resonance and other causes of sound degradation.

Finally, we subject the product to critical fine-tuning for optimal sound quality. Here Lux's 70 years of experience and know-how are put to full use.

Lux keeps on making legends

Audio was born 120 years ago, when Edison made the first sound recording. Today, thanks to the innumerable technological innovations achieved since, audio made it possible to perpetuate legendary performances in the highest sound quality imaginable. Audio allows you to enjoy such moments over and over–forever.

We at Lux are striving to provide components capable of playing back our recorded cultural heritage with such fidelity and emotion as to take listeners into new dimensions of excitement. Simply put, we are working to create legends that appeal to the intellect and senses of sound gourmets.

Open to innovative ideas and free from engineering prejudices, Lux is committed to designing and building products that satisfy audio hobbyists.

SINCE 1925

Radio broadcasting began in Japan in 1925. Lux came into being just a little ahead of this memorable event, as the radio equipment department of Kinsuido of Osaka, until then an importer of picture frames.

At the time, Japanese radio listeners were dependent on technology originating in the United States and Europe. So importing radio equipment and parts was a very forward-looking enterprise–like today's cutting-edge businesses.

1925 *Lux Foundation*

In June 1925,
Lux comes into being as the radio equipment department inside Kinsuido Picture Frame Store. Passersby crowded the store to hear the inviting sounds of the radios on display.

Kinsuido

1925 *Regular radio broadcasting services begin in Japan.*

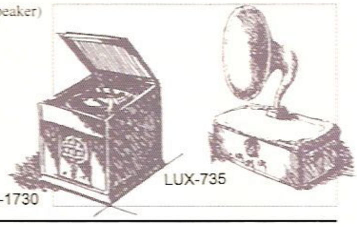
Kinsuido Radio Book

"Read it once and you're a radio expert," runs the blurb to the book that eventually went through 14 editions, helping to promote radios and phonographs in early days.

Radio book

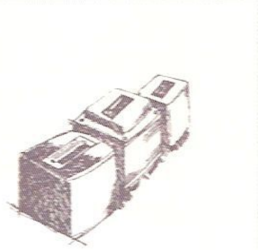
1928 LUX-735 (Radio Set with Magnetic Speaker)

Lux markets the LUX-1730 Electric Phonograph.



1952 OY-15 (Output Transformer)

Lux markets OY-Type transformers, high-regulation power-supply transformers, and many others. All received popular acclaim for delivering the highest performance on the market.

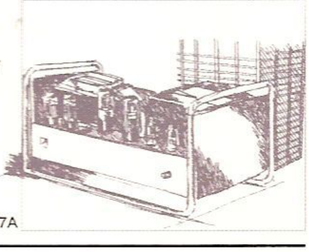


OY-type Output Transformer and others

1958 *The 45/45 stereo record makes its debut.*

1958 MA-7A (Mono Vacuum-Tube Amplifier)

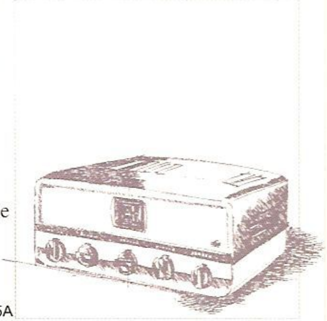
The MA-7A becomes the first fully assembled mono hi-fi power amp marketed after the war.
It featured crossover NFB (Negative Feedback), Lux's worldwide patent.



MA-7A

1961 SQ-5A (Vacuum Tube Integrated Amplifier)

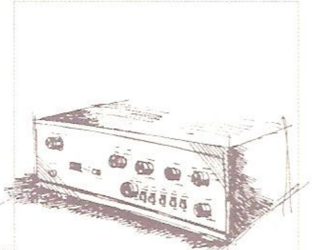
One of the earliest stereo integrated amplifiers, the SQ-5A proved a hit because of its unique design incorporating a meter and also because of the high-quality sound it delivers. It featured the Lux's unique tone control circuit, still found in current models.



SQ-5A

1962 SQ-65 (Vacuum Tube Integrated Amplifier)

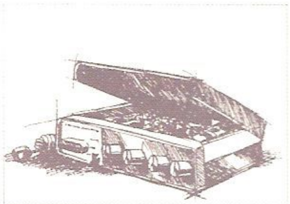
The SQ-65 features a motional feedback (MFB) circuit–another of internationally patented development by Lux–that incorporates the motion of the speaker cone into its feedback control system.



SQ-65

1962 PZ-11 (Phono Amplifier)

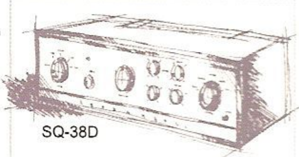
The very first phono equalizer amp made in Japan to feature germanium transistors, the PZ-11 was popular for its slim design.



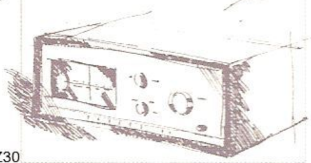
PZ-11

1964 SQ-38D (Vacuum Tube Integrated Amplifier) WZ-30

The SQ-38D is one of the first models to feature triodes—and also the very first of the "38 Series" that eventually includes the SQ-38F, SQ-38FD and the current SQ-38S.



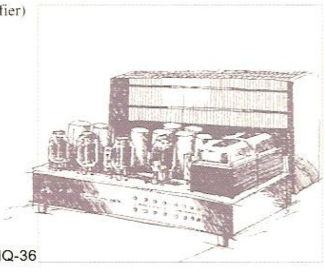
SQ-38D



WZ30

1966 MQ-36 (Vacuum Tube OTL Power Amplifier)

The MQ-36 is an OTL (Output Transformer-Less) vacuum tube amplifier. It became a long-term seller for its high-quality sound.



MQ-36

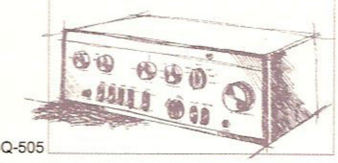
Since then, Lux has continued to blaze trails, always keeping ahead of the competition by aggressively introducing new circuit designs and distinct aesthetics.

For the last 70 years, each of our products has been an expression of our unique philosophy.

Here is a chronology of milestones in the history of Lux and the world at large.

1968 SQ-505/507 (Integrated Amplifiers)

The SQ-505 and SQ-507 are the first of the "500 Series" and the predecessors of the current L-505s and L-507s.



SQ-505

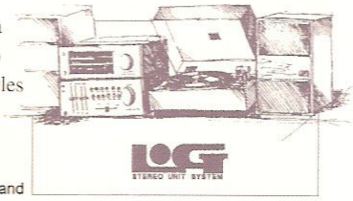
1971-1980 Luxkit Brand

To satisfy the demand of do-it-yourself audiophiles, Lux markets a total of about 70 kit models–vacuum tube amps, transistor amps, turntables, measuring tools, etc.

LUX
KIT

LUXKIT LOGO

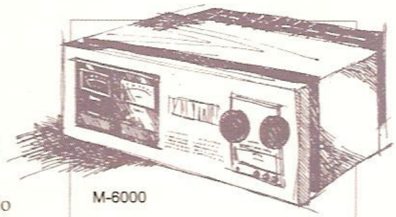
1972 Lux establishes L&G to promote a line of colorful high-quality stereo systems designed to fit new lifestyles and create a new dimension in audio enjoyment.



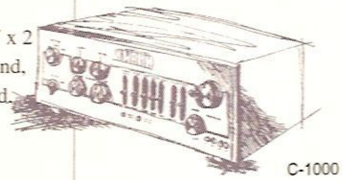
L&G Brand

1975 M-6000 (Power Amplifier)
C-1000/T110

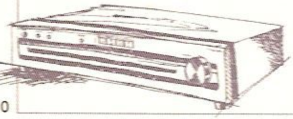
A product to celebrate Lux's 50th anniversary, the M-6000 represented the company's first serious effort to break into the high-end market.
A power amp boasting 300W x 2 high power and excellent sound, the M-6000 was well received.



M-6000



C-1000

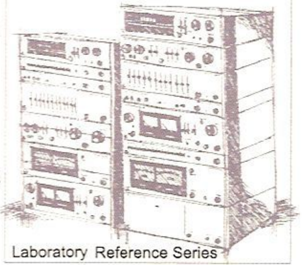


T-110

1977 Laboratory Reference Series

The Lux Laboratory Reference Series makes its debut: highlights are the world's first DC-configured amp and synthesized tuner. Each product's functionality, performance and innovative design differentiate the series.

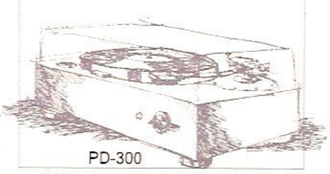
- * World's first DC-configured amp and synthesized tuner
- * Computer-controlled cassette deck
- * Construction chassis allowing stacking of components



Laboratory Reference Series

1980 PD-300 (Vacuum Suction Turntable)

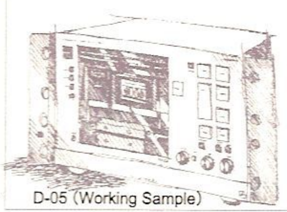
Lux introduces an innovative turntable that uses a vacuum suction system to prevent record warpage and resonance, factors that cause degradation of sound quality.



PD-300

1982 D-05 (Omega-Loading Cassette Deck)

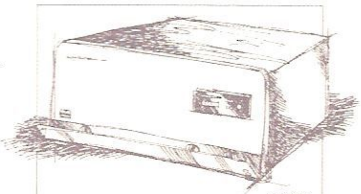
The D-05 appears at the time when the market was moving away from the open-reel format toward the cassette. It boasted the hi-fi performance of an open-reel deck and the ease of use of a cassette deck.



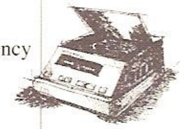
D-05 (Working Sample)

1987 DA-07 (Fluency DAC)

Fluency DAC is an application of the function interpolation theory developed by Dr. Toraichi, a professor at Tsukuba University. The DA-07 became a sensation because its high-speed DSP permitted recreation of the frequency range not recorded on a CD.



DA-07



DP-07

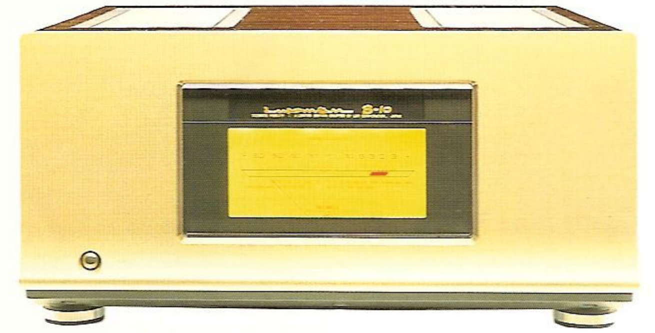
These are just a few of the milestones in Lux's 70-year history–with many more to come. What is clear in retrospect is that Lux products have always successfully combined the latest electronics engineering and aesthetic designs for high performance and a finely crafted look–without making any compromises. In terms of performance, we build our products to deliver natural sound that brings spiritual serenity to the listener. And in terms of aesthetics, we stress the interplay of light and shadow, so the Lux products present a solid, sculpture-like impression. The merging of sensibilities and technology to give a product its unique personality–that is and always has been our philosophy at Lux.

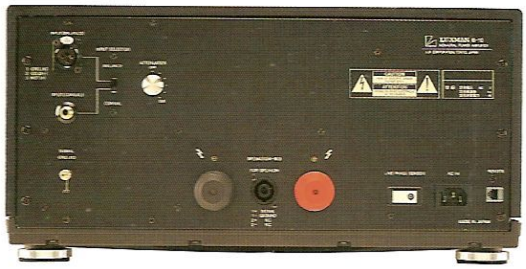
POWER AMPLIFIERS

MONAURAL POWER AMPLIFIER

B-10

Introducing Lux's flagship, a model that has received rave reviews everywhere. The B-10 has been awarded top prizes by leading audiophile magazines in the category of separate amplifiers. It boasts superior linearity and high power output—500W(RMS/8 ohms) and 1000W(RMS/4 ohms)—as well as superb speaker-driving capability. Music is expressed at its most subtle and delicate for an incredible listening experience.
RMS Power Output: 500W (8 ohms), 1000W (4 ohms); Input Sensitivity: 1V/500W (8 ohms); Dimensions: 467(W) x 233(H) x 482(D)mm; Weight: 43.5kg





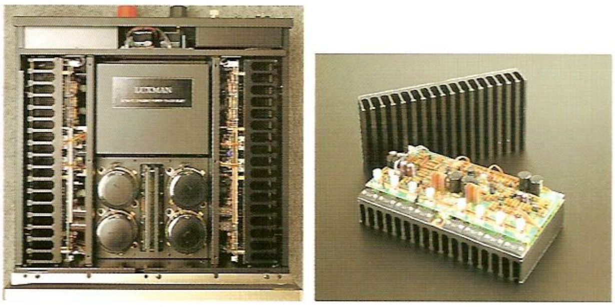
STEREO POWER AMPLIFIER

M-10

The M-10 is a stereo amplifier that inherits the basic design concepts of the B-10. It features a superior transient response that delivers realistic highs and mids. Mids and lows are reproduced with power and substance. Lows are smoothly extended down to the lowest audible frequencies. Featuring bridged BTL mode (800W of mono power output), the M-10 is suitable for biamp and triamp applications. You enjoy the incomparable pleasure of a unique Lux product.
RMS Power Output: 250W + 250W (8 ohms/stereo), 400W + 400W (4 ohms/stereo), 800W (8 ohms/BTL mono); Input Sensitivity: 1V/250W (8 ohms) ;Dimensions: 467(W) x 233(H) x 482(D)mm; Weight: 43.5kg

Circuit design at its most advanced.

Every Lux product represents years of leading-edge R&D. Its power supply is designed for superior open-loop response. The power transformer features a special core material and coil windings to improve power regulation, while large-sized capacitors provide instantaneous current supply capability. The heat sink is built from materials selected for efficient heat dissipation, and contoured to suppress resonance and vibration. These and other elaborate designs let you enjoy the exquisite sound you can experience only in Lux products.

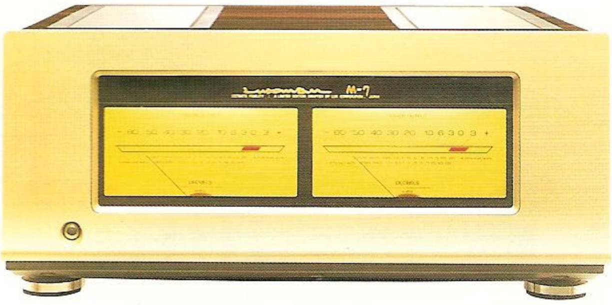


Large-Capacitance Power Transformer, Capacitors and Heat Sinks (C-10)

STEREO POWER AMPLIFIER

M-7

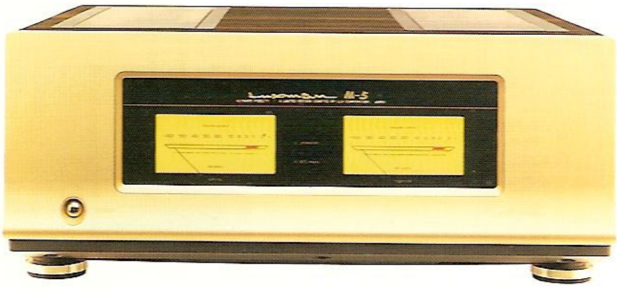
The M-7 takes advantage of circuit designs Lux developed for the B-10. We first refined the basic configurations of its circuits and then applied the minimum amount of NFB according to a Lux-proven design scheme. What you get is smooth and natural sound plus energetic musical dynamism. Lux's perfectionist philosophy ensures the listener unending delight and sensual satisfaction.
RMS Power Output: 150W + 150W (8 ohms/stereo), 230W + 230W (4 ohms/stereo), 460W (8 ohms/BTL mono); Input Sensitivity: 1V/150W (8 ohms) ;Dimensions: 467(W) x 212(H) x 440(D)mm; Weight: 26.5kg

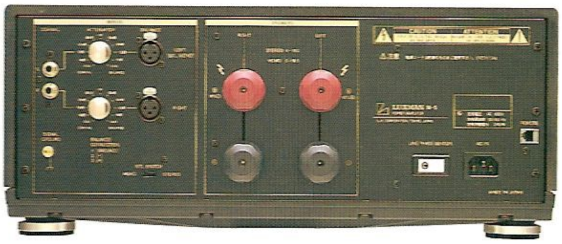


STEREO POWER AMPLIFIER

M-5

The M-5 is a separate Lux product that's within easy reach of many music lovers. An heir to the B-10, the M-5 features both high sound quality and designer aesthetics accented by handsome power meters. In mono BTL operation mode, the M-5 delivers a massive output of 300W.
RMS Power Output: 100W + 100W (8 ohms/stereo), 150W + 150W (4 ohms/stereo), 300W (8 ohms/BTL mono); Input Sensitivity: 1V/100W (8 ohms); Dimensions: 467(W) x 196(H) x 440(D)mm; Weight: 20.0kg





STEREO POWER AMPLIFIER

M-3

Over the past three years, Lux has been upgrading its line to showcase new technologies. The M-3 is one of the highlights of this effort, a stereo power amplifier many will find accessible. It features high-end Lux technologies, like the CSSC, OD-Beta, STAR Circuit and a clean power supply with outstanding instantaneous current supply capability. When set for BTL operation, the M-3 works as a powerful mono amp, a feature that makes it easy and economical to upgrade your audio system.
RMS Power Output: 100W + 100W (8 ohms/stereo), 150W + 150W (4 ohms/stereo),300W (8 ohms/BTL mono); Input Sensitivity: 1V/100W (8 ohms);Dimensions: 467(W) x 151(H) x 415(D)mm; Weight: 14.6kg

CONTROL AMPLIFIERS

CONTROL AMPLIFIER

C-10

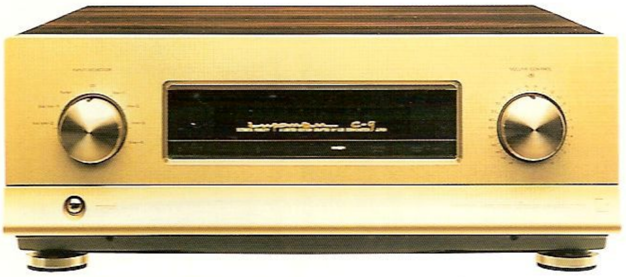
Absolute purity, clarity and dynamism are among the C-10's many outstanding characteristics. Much of the credit goes to an elaborate 58-contact switching potentiometer developed by Lux using 456 fixed resistors—what we call the "super ultimate attenuator." At any volume level, only one resistor is inserted into the signal path for each channel. Input Sensitivity/Impedance:150mV/50k ohms (TUNER),150mV/50kohms (CD), 150mV/50k ohms (LINE 1-4).150mV/100kohms(BALANCED LINE 1,2); Output Level/Impedance: 1V/300 ohms rated, ±7.5V max. (COAXIAL), 1V/600 ohms, ±7.5V max. (BALANCED);Dimensions: 467(W) x 161(H) x 425(D)mm; Weight: 23.0kg

CONTROL AMPLIFIER

C-9

The C-9 features the "ultimate volume control," which boasts a gang error of less than ±0.5dB over the 0 to -90dB range, and a maximum attenuation level as low as -120dB. This high-precision, low-distortion potentiometer was especially developed for the C-9. Configured like the C-10, the C-9 is also designed to work as an ideal power amp driver, sending dynamic musical energy to the power amplifier. Music is reproduced with power and subtlety for lifelike presence.

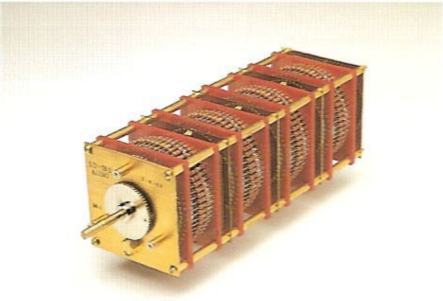
Input Sensitivity/Impedance: 150mV/50k ohms (TUNER), 150mV/50k ohms (CD), 150mV/50k ohms (LINE 1-4), 150mV/100k ohms (BALANCED LINE 1,2); Output Level/Impedance: 1V/300 ohms rated, ±7.5V max. (COAXIAL), 1V/600 ohms, ±7.5V max. (BALANCED) ; Dimensions: 467(W) x 187(H) x 475(D)mm; Weight: 22.0kg



In search of precision and comfortable operation

In search of precision and comfortable operation Lux products are also designed for the sense of comfort and precision. Attenuators, volume controls and switches are all finished with high precision so they respond with utmost smoothness. Materials are selected carefully and machined precisely, so the feel and response of a control is impeccable. One example is the Ultimate Volume (C-9), a newly developed device boasting exceptional precision and low distortion. Another is the 4-ganged Super Ultimate Attenuator (C-10) with 58-contact points that uses 456 hand-assembled fixed resistors.

Ultimate Volume (C-9)

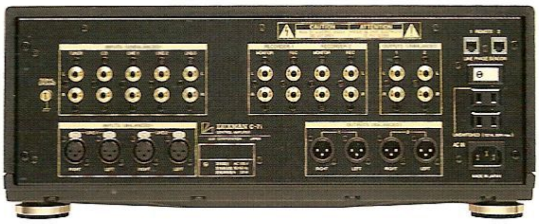


4-ganged Super Ultimate Attenuator (C-10)

CONTROL AMPLIFIER

C-7

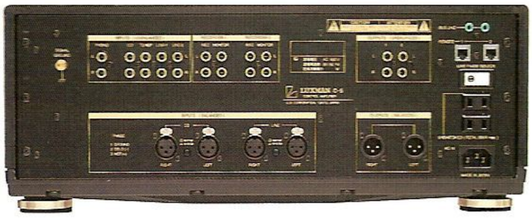
According to our design philosophy at Lux, a control amplifier should be designed as a driver for the power amplifier it works with. That's why the C-7 comes not only with features for selecting inputs, adjusting level and controlling other settings, but also with the capability to optimize power balance for the ultimate output. The result is the amazing ability to reproduce music with expressive authority. The C-7's technological highlight is the CSSC in a fully balanced circuit configuration.
Input Sensitivity/Impedance: 150mV/50k ohms (TUNER), 150mV/50k ohms (CD), 150mV/50k ohms (LINE 1-3), 150mV/100k ohms (BALANCED LINE 1,2); Output Level/Impedance: 1V/300 ohms rated, ±7.5V max. (COAXIAL), 1V/600 ohms, ±7.5V max. (BALANCED); Dimensions: 467(W) x 187(H) x 435(D)mm; Weight: 18.0kg



CONTROL AMPLIFIER

C-5

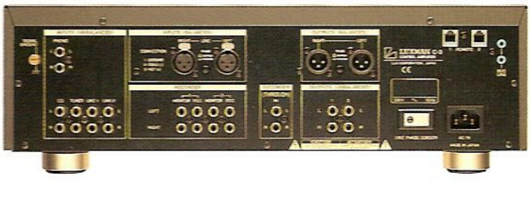
We developed the C-5 as a new type of separate amplifier for the serious audiophile who refuses to compromise. Versatility and ease of use are its key features: the C-5 accepts and controls no less than nine sources, and features a high-precision remote control unit. The C-5 has inherited many of high-quality features standard with a high-end model.
Input Sensitivity/Impedance: 2.5mV/47k ohms (PHONO-MM), 0.3mV/100 ohms (PHONO-MC), 150mV/47k ohms (CD), 150mV/47k ohms (TUNER), 150mV/47k ohms (TAPE), 150mV/80k ohms (BALANCED LINE/CD); Output Level/Impedance: 1V/300 ohms (COAXIAL), 1V/600 ohms (BALANCED);Dimensions: 467(W) x 187(H) x 435(D)mm;Weight: 15.0kg



CONTROL AMPLIFIER

C-3

Affordable for any serious music lover, the C-3 delivers high sound quality just like the high-end products from Lux's upgraded lineup. Response is fast and transient thanks to the SSC (Single Stagger Circuit). Sound is consistent through the audible range thanks to the OD-Beta Circuit. The STAR Circuit is responsible for sharp sound image definition. The C-3 is another Lux product for those who take their music seriously.
Input Sensitivity/Impedance: 2.5mV/47k ohms (PHONO-MM), 0.3mV/100 ohms(PHONO-MC), 150mV/36k ohms (CD), 150mV/36k ohms (TUNER), 150mV/36k ohms (LINE), 150mV/36k ohms (TAPE), 150mV/75k ohms (BALANCED LINE);Dimensions: 467(W) x 151(H) x 408(D)m; Weight: 10.0kg



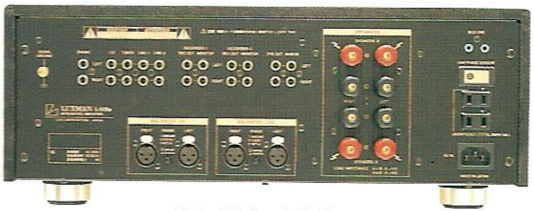
INTEGRATED AMPLIFIERS

INTEGRATED AMPLIFIER

L-509s

The L-509s is the culmination of Lux amplifier engineering. It combines flexibility (its preamp and power amp sections can be separated) and versatile signal control to provide consummate ease of use. Parts and devices are of the highest quality to ensure highly musical sound. Custom-made parts and noise-rejection designs are used abundantly to let you enjoy the kind of sound you can't get from anything less. Music is recreated with style and class.

RMS Power Output: 160W + 160W (8 ohms); Input Sensitivity/Impedance: 150mV/66k ohms (CD), 1V/80k ohms (MAIN-IN); Output Voltage: 150mV (TAPE), 1V (PRE-OUT);Dimensions: 467(W) x 179(H) x 440(D)mm; Weight: 22.0kg



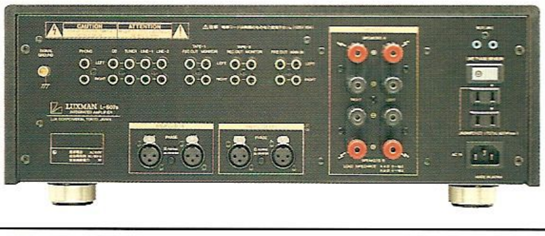
※Available only in Japan

INTEGRATED AMPLIFIER

L-507s

The Lux L-507s is an integrated amplifier conceived and created like a sophisticated separate to deliver highly accurate sound reproduction. Its preamplifier and power amplifier sections are totally separate both in construction and function to ease future upgrade. Operating versatility is impeccable thanks to a high-precision motor-driven volume control and a remote control with input selection.

RMS Power Output: 100W + 100W (8 ohms); Input Sensitivity/Impedance: 150mV/47k ohms (CD), 2.5mV/47k ohms(PHONO-MM),0.3mV/100 ohms (PHONO-MC), 150mV/47k ohms (LINE), 150mV/47k ohms (TAPE), 150mV/66k ohms (BALANCED LINE), 1V/80k ohms (MAIN IN); Output Voltage: 150mV (TAPE), 1V (PRE OUT) ;Dimensions: 467(W) x 179(H) x 440(D)mm; Weight: 20.0kg

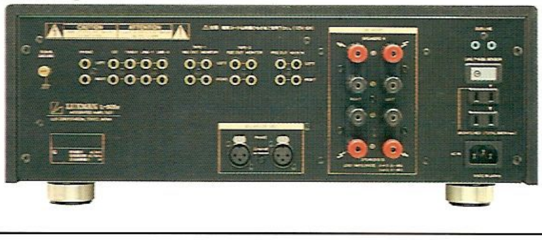


INTEGRATED AMPLIFIER

L-505s

Ease of use is the key feature of the L-505s, which comes with loudness control, subsonic filter, record out selector, speaker selector, mode selector and more. Its preamplifier and power amplifier sections are separate to allow easy system expansion. Internally, shielding is extensively used, and circuits are carefully isolated from each other, to significantly reduce noise and improve sound quality.

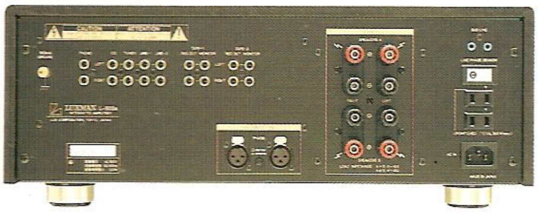
RMS Power Output: 70W + 70W (8 ohms); Input Sensitivity/Impedance: 150mV/47k ohms (CD), 2.5mV/47k ohms(PHONO-MM), 0.3mV/100 ohms (PHONO-MC),150mV/47k ohms (LINE), 150mV/47k ohms (TAPE), 150mV/66k ohms (BALANCED LINE), 1V/80k ohms (MAIN IN); Output Voltage: 1V (PRE OUT); Dimensions: 467(W) x 179(H) x 440(D)mm; Weight: 19.0kg



INTEGRATED AMPLIFIER

L-503s

The Lux L-503s is constructed from parts and devices originally developed for more expensive models, such as high-performance output transistors with Pc rating of 150W, extra large heat sinks and a rugged power supply. Combine them with Lux's seven decades of engineering experience and you have a very fine integrated amplifier indeed. Every note, from pianissimo to fortissimo, is played with life and authority. Easy operation and a full-function remote control are the L-503s's other fine attributes.
RMS Power Output: 65W+65W (8 ohms); Input Sensitivity/Impedance: 150mV/47k ohms (CD), 150mV/47k ohms (LINE), 150mV/47k ohms (TAPE), 150mV/66k ohms (BALANCED LINE); Output Voltage: 1V(TAPE);Dimensions: 467(W)x 179(H)x 440(D)mm; Weight: 14.0kg



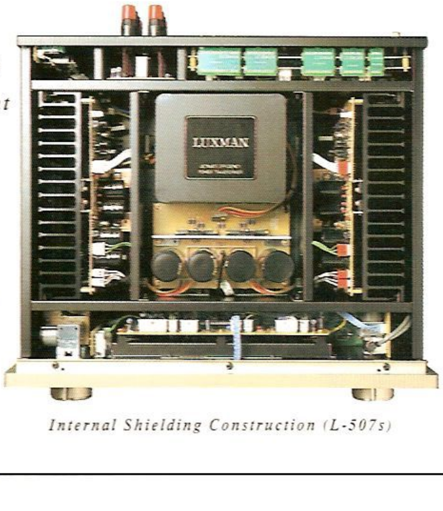
INTEGRATED AMPLIFIER

L-501s

The L-501s is a combination power amp and preamplifier, both of the highest quality. It's affordable, and features advanced engineering and refined looks. Lux made no compromises in terms of function, design and quality when designing this amplifier. Whatever music you prefer– jazz, pops,classical–youwill experience sound that reaches out and grabs you, the kind you will find only in a Lux product.
RMS Power Output: 65W + 65W (8 ohms); Input Sensitivity/Impedance: 150mV/47k ohms (CD), 2.5mV/47k ohms (PHONO-MM); Output Voltage: 150mV (TAPE);Dimensions:467(W)x151(H)x 408(D)mm;Weight: 11.5kg

Solid, anti-resonance construction and anti-noise design keep music lifelike and true.

As more and more microprocessor-controlled appliances find their way into homes, the problem of noise flowing into AC power lines to audio equipment has been growing serious. Equally harmful is noise due to vibrations and interference. Based on years of experience and the latest technology, Lux extensively use filters, shielding, ferrites and radio-signal absorbing materials to cut electrical noise. We also use FRP (Fiber Reinforced Plastics) resin, box construction and other rigidity-enhancing measures to suppress mechanical vibration.



Internal Shielding Construction (L-507s)

COMPACT DISC PLAYERS

COMPACT DISC PLAYER

D-10

The D-10 features a newly developed 20-bit Tower DAC that significantly outperforms conventional multiple DAC designs. In conventional DACs, the conversion process takes place with delay inside the DAC chips because of the different wiring lengths of printed patterns. The Lux Tower DAC solves this problem for more accurate D/A conversion. Another D-10 highlight is an HDCD Decoding Computer that delivers 24-bit data processing power and doubles as an advanced digital filter with superior cut-off response.Output Terminal: RCA Single and XLR Balanced (Analog); RCA,AES/EBU and AT&T (Digital);Dimensions: 467(W) x 158(H) x 412(D)mm; Weight: 16.5kg

COMPACT DISC PLAYER

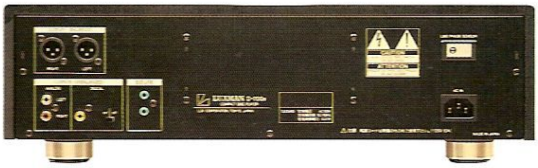
D-7

The D-7's most important feature is the HDCD decoder: full 20-bit DAC with high precision and high resolution puts you in the most natural sound field of live music. The D-7 is a front-loading system offering ease of use. The player is resistant to sound-degrading vibrations thanks to a tray-lock mechanism and rugged housing. Couple the solid construction with a high-precision pickup mechanism, and you have a CD player that captures every bit of recorded data with unmatched accuracy.Output Terminal: RCA Single and XLR Balanced (Analog); RCA and AES/EBU (Digital); Dimensions: 467(W) x 158(H) x 412(D)mm; Weight: 12.5kg

COMPACT DISC PLAYER

D-700s

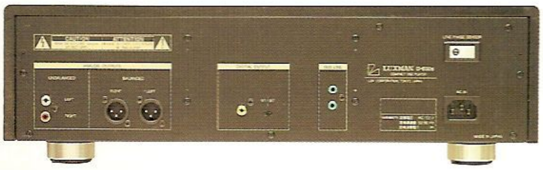
The D-700s is another Lux CD player featuring an HDCD decoding computer to let you enjoy high-resolution, high-density sound reproduction for optimal realism. Even when playing back discs in the conventional format, the HDCD decoder offers a benefit, working as a high-performance digital filter with outstanding attenuation characteristics. Superior basic performance is ensured by true 20-bit DAC, vibration-resistant mechanisms and non-resonating chassis construction. Output Terminal: RCA Single and XLR Balanced (Analog); RCA (Digital);Dimensions: 467(W) x 144(H) x 391(D)mm; Weight: 9.5kg



COMPACT DISC PLAYER

D-600s

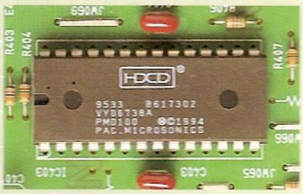
The D-600s comes with true 20-bit DAC and the HDCD decoding computer, which doubles as a high-performance digital filter with superb cut-off response. It plays back ordinary discs and high-resolution discs in 20-bit HDCD format, and delivers the best sound from either format. Vibrations don't interfere with music because of the tray-lock system and rugged design. No wonder you enjoy high resolution and realistic presence from your favorite music.Output Terminal: RCA Single and XLR Balanced (Analog); RCA (Digital);Dimensions: 467(W) x 144(H) x 396(D)mm; Weight: 9.5kg



HDCD® INFORMATION

HDCD (High Definition Compatible Digital) CD Players

HDCD format is capable of handling a much higher density of information than the conventional format. So music is reproduced with higher precision and higher fidelity.



A HDCD Decoder-High-Performance Digital Filter with 24-bit Processing Power

HDCD is a high-resolution recording and playback system that is fully compatible with the current CD format.
In Lux HDCD players, the CD signals are routed through the HDCD Decoding Computer:
the data from a CD is processed by HDCD's data interpolation algorithm, producing an output that's closer to the original in fidelity.

HDCD® *HDCD® and High Definition Compatible Digital® are registered trademarks of Pacific Microsonics, Inc.*

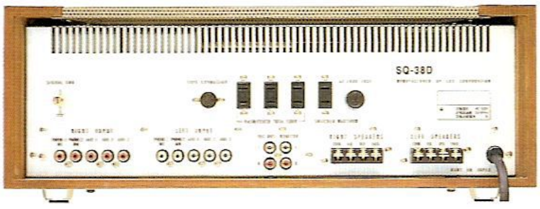
VACUUM TUBE INTEGRATED AMPLIFIERS

VACUUM TUBE INTEGRATED AMPLIFIER

SQ-38D Limited Edition

Released in 1964, the original SQ-38D became so popular that at that time it was synonymous with hi-fi amps. 12AX7 and 12AU7 tubes are used in the first and driver stages, respectively. Output tubes are 6BQ5, while the power transformer is OY-14 type. The number of inputs is increased to five to accommodate a greater number of sources available today, but the functions and basic design are the same as the original masterpiece.

RMS Power Output: 12W + 12W (8 ohms); Input Sensitivity/Impedance: 150mV/47kohms (LINE 1/2/3) ,150mV/47k ohms (CD), 2.5mV/47k ohms (PHONO-MM), 150mV/47k ohms (TAPE MONITOR); Dimensions: 470(W) x 175(H) x 275(D)mm; Weight: 15.0kg



※Available only in Japan

VACUUM TUBE INTEGRATED AMPLIFIER

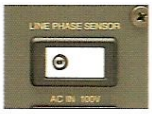
SQ-38 Signature

The Williamson-type configuration...EL34 output tubes for push-pull operation...RMS output of 30W + 30W at 6 ohms.... The SQ-38 Signature is a milestone model Lux has proudly released to celebrate the company's 70th anniversary. It's ready to handle six inputs including PHONO (MM) and CD. Play back your favorite music and delight in the warmth and smoothness only tubes can impart to music.

RMS Power Output: 30W + 30W (6 ohms); Input Sensitivity/Impedance: 150mV/47k ohms (LINE 1-3), 150mV/47k ohms (CD), 2.5mV/47k ohms (PHONO-MM), 150mV/47k ohms (TAPE) Dimensions: 430(W) x 207(H) x 390(D)mm; Weight: 19.5kg

Line Phase Sensor: correct AC power polarity ensures full performance.

With Lux audio products, the polarity of the circuitry is rigidly observed, even extending to the transformer. Therefore, when plugging a Lux product — particularly a Lux amplifier— into the AC outlet, you must do so with the correct polarity. That's why each Lux product comes with a Line Phase Sensor. Checking is easy: touch the sensor and make sure the indicator does not turn on to ensure optimum performance.



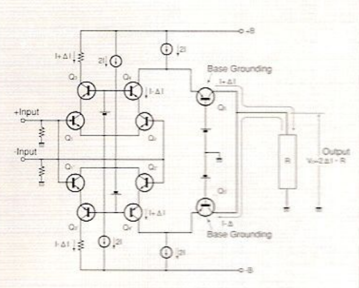
Line Phase Sensor on the Rear Panel

The Four Pillars of Luxman Engineering

CSSC (Complementary Single Stagger Circuit): Dynamic musical expression with wide range and high slew rate

Today NFB (Negative Feedback) is necessary for amplifiers since it improves the frequency response, distortion response and other specifications. But too much NFB can make music sound constrained, making the listener feel claustrophobic.

The Lux CSSC is the solution. Its second stage features a common-base design exhibiting a linear gain response well into the gigahertz range. Configured as a fully complementary design for both signal and power supply, the CSSC is capable of delivering superior performance with high circuit stability. The result: high musical fidelity is achieved through the application of an optimized amount of NFB.

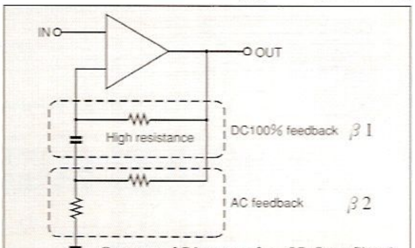


Conceptual Diagram of a CSSC Circuit

OD-Beta (Optimized Duo NFB) Circuit: Consistent sound quality over wide range for realistic bass reproduction

An amplifying circuit is made up of hundreds of parts and devices. Because of the unit-to-unit variances in thermal and other characteristics, the amp 's operating conditions are far from stable. That's why DC servo technology is widely used to ensure consistent performance. Conventional DC servos use active devices in the NFB (Negative Feedback) network and apply a massive amount of NFB to signals in the DC (Direct Current) range. This means the amount of feedback applied to lowfrequencies differs from the amount applied to mids and highs. The deleterious outcome is a subtle difference in sound quality between the low-and mid/high-frequency ranges.

Taking advantage of the CSSC's high stability, Lux developed a better design, one with an NFB network that exhibits a unity-gain response to signals in the DC range and has no active devices. The result is the smoothest crossover from lows to highs and consistent sound quality.

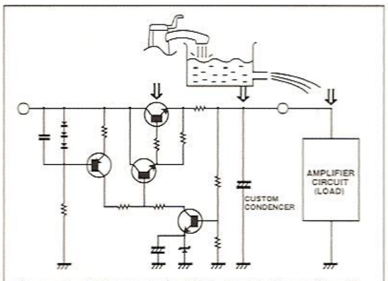


Conceptual Diagram of an OD-Beta Circuit

High Inertia Power Supply: Real-time power-supply control for imparting life to music.

Dynamic variations are what make music so exciting. Sudden changes in dynamics cause abrupt changes in current inside the amplifier. If the power supply cannot cope with the constantly changing demand for current supply, musical fidelity suffers. With a conventional power supply, a constant-voltage circuit is used to detect and compensate for changes in voltage due to the changes in the current. However, the circuit responds with a time lag that limits the dynamic range of the music.

The Lux High Inertia Power Supply is a new development that uses large-sized electrolytic capacitors mounted directly beside the load to instantly respond to sudden variations in currents. And the constant-voltage power supply is given the basic task of steadily delivering current with its capacitors, working like a reservoir. These capacitors are the result of long-term research at Lux. They feature superb charge/discharge characteristics and low internal resistance.

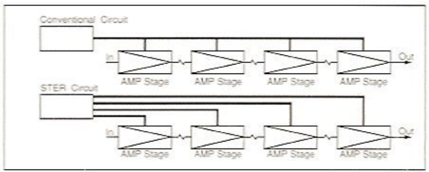


Conceptual Diagram of a High Inertia Power Supply

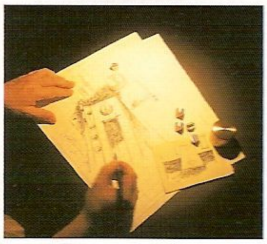
The STAR Circuit: Fine definition for music with depth and the sense of space.

Inside an amplifier, music signals travel from the input toward the output. Along the way, the signals' current level increases and fluctuates in response to dynamic changes in the music. This means currents of varying strengths are flowing over circuit boards.

If they are allowed to flow randomly, they can interfere with each other, robbing music of its naturalness and realism. To solve this problem, Lux engineers have isolated and streamlined current flows of varying strengths inside the amplifier. Routing each current flow individually prevents currents on different layers from interfering with each other. Also, with the point of reference for each amplifier clearly defined, the STAR Circuit makes music so real and almost tangible.



Conceptual Diagram of STAR Circuit



Free and radical thinking.

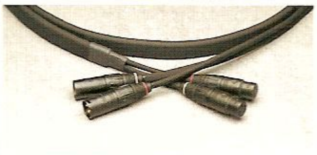
Of course, an audio component should be easy to use and deliver high specifications, but that's not enough. At Lux our products are conceived and designed to break conventional thinking. To us rules are there to break. Going the unbeaten roads for the music's sake is a way of life at Lux. Audiophiles and enthusiasts around the world know this and that's why they demand Lux products.

Functional form for ease of use.

Each knob and control on Lux audio components is carefully laid out for superior functionality and ease of use. In the Lux tradition, engineers first lay out parts, devices and circuit boards on chassis until they are satisfied with the sound quality. Then they scrutinize and improve the design's ergonomics. Often high sound quality is achieved at the expense of friendly user interface, and vice versa. But at Lux we don't make compromises —— one reason why Lux products are in a class by themselves.

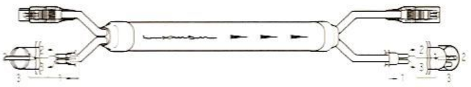
Ultimate Audio Cables-10000 Series

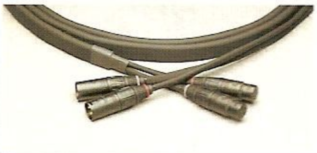
Designed for the purest signal transmission and highest accuracy between high-end audio components



JPX-10000-C

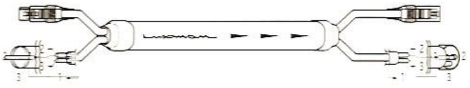
1.25m Cable with Cannon Plugs





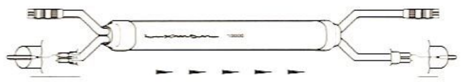
JPX-10000-CL

2.5m Cable with Cannon Plugs



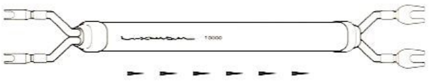
JPX-10000-R

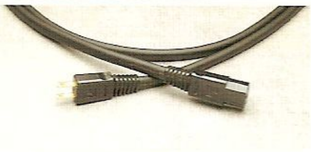
1.25m Cable with RCA Pin Plugs



JPS-10000

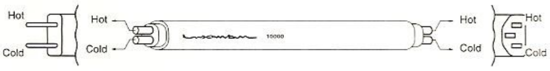
3.0m Cable (x2) with Treated Terminals





JPP-10000

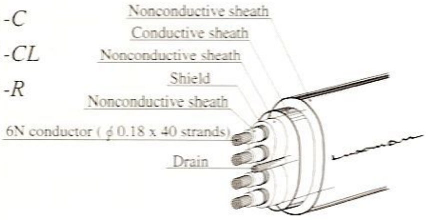
1.8m Power Cable



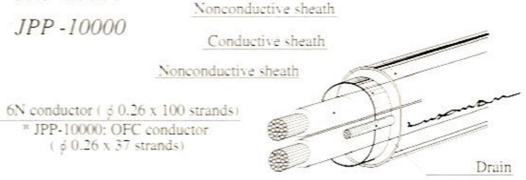
※Available depending on local reguration

Here are audio cables that feature the same select materials and elaborate construction
as those found in Lux high-end amplifiers.
They boast a performance high enough to serve as reference standard.
Impeccably perfected through rigorous tests, the Lux Ultimate Audio Cables provide
highest sound quality from a wide range of amplifiers.

JPX-10000-C
JPX-10000-CL
JPX-10000-R



JPS-10000
JPP-10000



Model	Type	Length	Core Strand Material	Conductor Cross-section	Drain Wire	Pair Construction	Conductive PVC Sheath Construction	Cross-section	Plug
JPX-10000-R	Pin cord	1.25m	ϕ 0.18mm × 40 strands/6N	1mm²	ϕ 0.18mm × 30 strands/OFC	2 cores/shielded, non-twisted pair construction	Conductive sheath reduces ground loop area formed by left and right channels	ϕ 9.0×20 L	Neutric (Swiss)
JPX-10000-C	Cannon cord	1.25m	ϕ 0.18mm × 40 strands/6N	1mm²	ϕ 0.18mm × 30 strands/OFC	2 cores/shielded, non-twisted pair construction	Conductive sheath reduces ground loop area formed by left and right channels	ϕ 9.0×20 L	Neutric (Swiss)
JPX-10000-CL	Cannon cord (long type)	2.5m	ϕ 0.18mm × 40 strands/6N	1mm²	ϕ 0.18mm × 30 strands/OFC	2 cores/shielded, non-twisted pair construction	Conductive sheath reduces ground loop area formed by left and right channels	ϕ 9.0×20 L	Neutric (Swiss)
JPS-10000	Speaker cord with stripped ends	3.0m×2	ϕ 0.26mm × 100 strands/6N	5.4mm²	ϕ 0.18mm × 30 strands/OFC	Non-twisted pair construction	Conductive sheath reduces ground loop area formed by positive and negative polarities, preventing noise from flowing into the NFB circuit	ϕ 12.5×19 L	Y-lug for amp/10mm(W), ϕ 3.5 Y-lug for spk/11mm(W), ϕ 8 (Nickelin)
JPP-10000	Power cable	1.8m	ϕ 0.26mm × 37 strands/OFC	2mm²	ϕ 0.18mm × 30 strands/OFC	Non-twisted pair construction	Conductive sheath reduces noise flowing into the loop formed by positive and negative polarities.	ϕ 9.0×12 L	Gold-plated

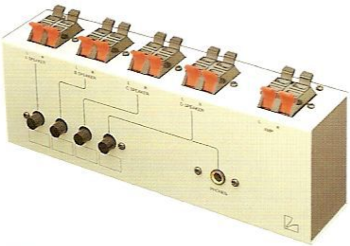
A range of accessories for serious audiophiles who want to enjoy music at a deeper, more emotional level.

CHANNEL SELECTORS

The AS-4 and AS-5 selectors, both good sellers over the years, have been upgraded. High sound quality is ensured by gold-plated terminals and discrete wiring. User convenience is enhanced too with the addition of a headphone jack and indexing spaces.

AS-4（Ⅲ）

Pin Plug Type Channel Selector



AS-5（Ⅲ）

Speaker Terminal Type Channel Selector with Headphone Jack

SWITCHING BOXES

Switching boxes come in handy when controlling a number of signal lines. With Lux boxes, the grounding line is switched along with the signal lines to protect musical purity. Terminals are of high grade with gold plating.

Coaxial Line Selector

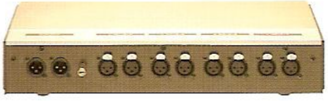
Line Selector for 4 Coaxial Line Systems

AS-44

Balanced Line Selector

Line Selector for 4 Balanced Line Systems

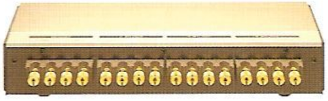
AS-45



Speaker Line Selector

Speaker Line Selector for 3 Speaker Line Systems

AS-55



AC POWER TAP

Lux AC power taps feature an RF filter and custom shielded power feed wires. Digital equipment is finding its way into the home, but Lux taps prevent digital noise from affecting audio equipment.

Clean Energy Filter

ES-33

Rated at 15A (max.), it comes with a single outlet. The power tap features a Pi-type RF filter using a toroidal choke.

※Available depending on local reguration

PHONO AMPLIFIER

E-03

Four independent amps accept and drive outputs from MM and MC cartridges. An elaborate 9-part power supply sends clean power to the circuits to amplify infinitesimal signals with accuracy and delicacy. These components are housed in an enclosure designed to blend aesthetically with a quality turntable. The E-03 is a phono amplifier that makes the most of each and every cartridge while retaining the quality of the analog original.Input Sensitivity: 4mV (MM), 0.2mV (MC); Optimum Cartridge Impedance: Less than 10k ohms (MM), Less than 40 ohms (MC); Input Impedance: 50 ohms (MM), 200 ohms (MC); Output Impedance: 200 ohms; Dimensions: 126(W) x183(H) x 421(D)mm;Weight: 6.8kg

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